

## IPMI Firmware / BIOS Release Notes Form

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<b>Product Name</b>	<b>X10DRH-CLN4/ILN4</b>
<b>Release Version</b>	<b>3.1</b>
<b>Release Date</b>	<b>6/11/2018</b>
<b>Previous Version</b>	<b>2.0</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>N/A</b>
<b>Enhancements</b>	<b>1. Implemented enhancement to address 'Spectre' variant 2 (CVE-2018-3639 &amp; CVE-2018-3640) security patch issue. 2. Updated RC to 4.3.0. 3. Changed BIOS revision to 3.1. 4. Updated SSATA and SATA RXEQ according to the lab test result. 5. Added "tCCD_L Relaxation" item under Memory Configuration menu.</b>
<b>New features</b>	<b>N/A</b>
<b>Fixes</b>	<b>1. Fixed issue with WHQL USB 3.0 mapping. 2. Fixed missing sensor readings for some NVIDIA AOCs due to BIOS not sending data to IPMI. 3. Set Descriptor Region (Bit 0) of BIOS Region Write Access to "No".</b>